



Chrome Decal Removal Instructions

Always test a small area before commencing vinyl graphic removal to prevent substrate damage.

SUGGESTED REMOVAL TOOLS:

- J2 Jiffy Steamer
- Esteam™ Handheld Steamer
- Black & Decker Heat Gun
- Scotch Brite 4" Removal Disc
- Scotch Brite 6" Removal Disc
- Acti-sol (Citrus based adhesive remover)
- Plastic Squeegee
- 1" Round Application
- Putty knife, Knife, or Razor blade

STEAMER METHOD:

Follow operating instructions provided with J2 Jiffy Steamer or Esteam™ Handheld Steamer.

1. Heat one edge of the vinyl graphic by holding the steamer approximately 1 to 2 inches away from the surface.
2. Heat vinyl graphic for approximately 30 to 60 seconds then loosen the vinyl graphic by pulling back slowly.
3. Proceed at a slow, steady pace while heating and pulling the vinyl graphic at less than 90° angle. This usually prevents the vinyl from breaking and will remove most of the adhesive from the substrate.
4. If the vinyl graphic becomes hard to pull, stop, heat the vinyl graphic, and proceed with removal.

HEAT GUN METHOD:

When using a heat gun use caution, damage to the substrate will occur if heat is concentrated in one area for more than 30 seconds.

1. Heat the entire vinyl graphic by holding the heat gun 6 to 12 inches away for the surface.
2. After heating the entire vinyl graphic for approximately 1 to 2 minutes, loosen one edge of the vinyl graphic by pulling back slowly.
3. Proceed at a slow, steady pace while heating and pulling the vinyl graphic at less than 90° angle. This usually prevents the vinyl from breaking and will remove most of the adhesive from the substrate.
4. If the vinyl graphic becomes hard to pull, stop, heat the vinyl graphic, and proceed with removal.

SCOTCH BRITE REMOVAL DISC METHOD:

The removal disc is used primarily for removing vinyl pinstriping and adhesive residue. The discs are faster and cleaner than solvent or chemical adhesive removers are. Safe for most painted surfaces like acrylic enamel and urethane paints..

1. Recommended tools that will work with the 4-inch and 6-inch removal disc.

Air Tools:

- Astro-Straight Shaft Model No. AP523
- Chicago Pneumatic Air Drill Model No. 788
- Desoutter-Straight Shaft Model 383
- Dotco Air Drill Model No. 15C2992-01
- Dynabrade Tool-Straight Shaft Model No. 51059
- Florida Pneumatic--Straight Shaft Model No. 4251
- Ingersoll Rand-Straight Shaft Model 5LK1
- Sioux Tool-Straight Line Model 2L1300 A.P.
- Viking-Straight Shaft Model No. V-316

Electric Tools:

- Black & Decker Model No. 6040
 - Milwaukee Tool Model No. 0141-1
2. Properly tighten holder in collet or chuck of portable tool. Twist disc assembly into Roloc™ Holder. Be certain assembly is securely tightened.
 3. With tool running, bring outer edges of discs into contact with vinyl pinstripe or adhesive residue to be removed. Light contact pressure is all that is needed.
 4. Guide the tool so that the tool is working counter to the directional rotation of the disc.

CAUTION: Always use protective eyewear and/or face shield.

DO NOT EXCEED MOS. (Maximum Operating Speed) 4,500 RPM spindle speed. Required operating speed 2,00-3,00 SFPM (Surface Feet Per Minute) when disc is in contact with the work surface.

REQUIRED SPEED: 4-inch Discs-2,500-3,000 RPMs 6-inch Discs-1,300-1,900 RPMs

CHEMICAL REMOVAL METHOD:

Most chemical vinyl and adhesive removers are compatible with aluminum, fiberglass, and OEM painted surfaces. Before using any chemical products, read container label and MSDS.

1. Apply chemical remover according to label instructions.
2. Allow chemical remover to dry a least 15 minutes.
3. Test for removability by grasping a corner of the vinyl graphic and pulling from the surface at less than a 90° angle using gentle and moderate force.
4. The vinyl graphic should stretch like rubber while being removed. If vinyl seems brittle, stop and apply a second coat of chemical remover. Allow it to dry then proceed with the removal.
5. When the vinyl graphic is completely removed, pull off the masking tape but leave the drip trough.
6. Apply chemical adhesive remover onto any adhesive residue remaining.
7. Remove the adhesive by scraping with a plastic squeegee or rivet brush. Once loosened, wipe residue with a cloth saturated with adhesive remover. Repeat these steps if necessary.
8. Remove the drip trough. Clean the entire surface with an Acti-sol™ saturated cloth, followed by washing the surface with detergent and water. Dry the surface. Failure to properly clean and remove all adhesive the remover will adversely affect the adhesion of new vinyl graphics applied to the surface.
9. Make certain that the surface temperature is at least 50°F (10°C) and no warmer than 85°F (29°C) before application of chemical product.
10. Check for possible paint damage.
 - a. Apply chemical remover to a small area of your painted surface.
 - b. Allow remover to dry for at least 15 minutes.
 - c. Remove the chemical remover from the surface.
 - d. Check for paint damage. If any occurs, the remover product is NOT RECOMMENDED.
11. Clean the surface and vinyl graphic with detergent and water. Dry the surface thoroughly before proceeding.
12. To minimize cleanup of chemical removers, one of the following two methods should be used:
 - a. Mask the surface around vinyl graphic and make a “drip trough” with masking tape or cardboard to prevent residue dripping onto surface around vinyl graphic.
 - b. Spray the surface around the edge of the vinyl graphic with a commercially available release agent, such as a vegetable cooking spray, and form a “drip trough” with masking tape or cardboard along bottom to prevent residue dripping onto the surface below vinyl graphic. Release agent sprayed on vinyl graphic will need removed before chemical removers are used.

Chrome Decal Application Instructions

FIBERGLASS SMOOTH SURFACE PREPARATIONS:

1. Clean any silicone, caulk, or adhesives with a clean towel saturated with a solvent in accordance with local, state and federal regulations. Acetone, lacquer thinner, and similar products are not recommended by the manufacturer of fiberglass substrates.
2. Spray surface area where vinyl graphics are to be applied with a liberal amount of Isopropyl Alcohol. **
3. Wipe surface completely dry with a clean dry towel.

** The use of Isopropyl Alcohol as a cleaning agent is restricted in some regions. Nothing in this Technical Bulletin is intended as a recommendation to violate federal, state, or local regulations. When the use of Isopropyl Alcohol is restricted, substitute BETCO® CitruSolv degreaser OR 3M® Citrus Base Industrial Cleaner to clean fiberglass surfaces. Be sure to follow with a clean dry towel to remove all residue before vinyl graphic application.

GENERAL REQUIREMENTS FOR APPLICATION:

- Felt Block Application Squeegee
- 3M Gold Squeegee
- Snappy Knife
- Heat Gun
- Air Release Tool

TEMPERATURE:

- Apply vinyl graphic products when the air and application surface temperatures are above 50°F and below 100°F.
- Surfaces may be mechanically heated when air and application surface temperatures are below the minimum requirements. This may be accomplished by a portable heater, heat lamps, hot water or steam. If hot water or steam is used, the surface must be dried thoroughly before application.

KEY POINTS:

- Before beginning application, insure the surface was properly cleaned as previously outlined
- Check that air and surface temperatures exceed the minimum requirements.
- Use firm pressure with squeegee and/or felt block.
- Use overlapping strokes.
- Remove the application masking at a 180° angle.
- Re-squeegee entire graphic after removal of application masking.
- Make sure hands are clean.

INSTRUCTIONS:

1. Position Vinyl Graphic

It is recommended that the vinyl graphic be positioned in place on the surface with masking tape.

As an aid for aligning and registering the graphic on the surface prior to application, make register marks on the side edge of the surface with a lead pencil, a marking pen, or small pieces of masking tape.

2. Remove Liner

Lay back one half of the vinyl graphic against the application surface and remove the liner by sharply flicking the graphic edge toward the face of the graphic with the ball of the thumb or a fingernail. A small bend at a corner or edge will cause the liner to separate from the graphic. Pull the liner away in a continuous motion at a 180° angle.

Note: Always remove the liner from the vinyl graphic rather than the vinyl graphic from the liner.

3. Apply Vinyl Graphic

Align vinyl graphic to register marks and tack it to the surface with thumb pressure at the corners. For larger graphics, use one or more additional tack points along top edge. Using an application tool (felt squeegee), begin application at the vertical center of the vinyl graphic and apply all the way to one edge. Then, return to center with overlapping strokes and repeat the procedure - applying to the opposite edge.

4. Remove Application Masking

Mist application masking with an Easy-On™ or water solution, allow this to soak for a minimum of two minutes. This will release the bond between the application masking and the face of the vinyl graphic. Remove application masking from the face of the vinyl graphic by pulling masking back upon itself always at a 180° angle.

5. Re-squeegee Vinyl Graphic

When the entire graphic has been applied; re-squeegee the entire graphic using a felt squeegee.